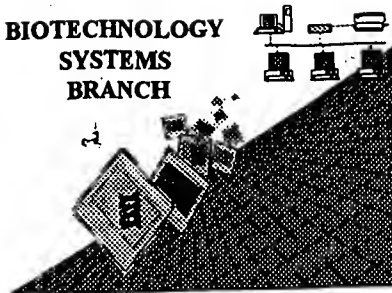


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/821,832

Source: O/PK

Date Processed by STIC: 9/7/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/821,832

DATE: 09/07/2001

TIME: 14:17:57

Input Set : A:\0399.2008-002 SEQLIST.TXT

Output Set: N:\CRF3\09072001\I821832.raw

Does Not Comply
Corrected Diskette Needed*pgs 1-4*

OK -> 4 <110> APPLICANT: Tuschl, Thomas
 5 Zamore, Phillip D.
 6 Sharp, Phillip A.
 7 Bartel, David P.
 9 <120> TITLE OF INVENTION: RNA Sequence-Specific Mediators of RNA
 10 Interference
 12 <130> FILE REFERENCE: 0399.2008-002
 14 <140> CURRENT APPLICATION NUMBER: US 09/821,832
 15 <141> CURRENT FILING DATE: 2001-08-16
 17 <150> PRIOR APPLICATION NUMBER: US 60/265,232
 18 <151> PRIOR FILING DATE: 2001-01-31
 20 <150> PRIOR APPLICATION NUMBER: US 60/193,594
 21 <151> PRIOR FILING DATE: 2000-03-30
 23 <150> PRIOR APPLICATION NUMBER: EPO 00 126 325.0
 24 <151> PRIOR FILING DATE: 2000-12-01
 26 <160> NUMBER OF SEQ ID NOS: 19
 28 <170> SOFTWARE: FastSEQ for Windows Version 4.0

ERRORED SEQUENCES

45 <210> SEQ ID NO: 2
 46 <211> LENGTH: 40
 47 <212> TYPE: RNA
 48 <213> ORGANISM: Artificial Sequence
 50 <220> FEATURE:
 51 <223> OTHER INFORMATION: 5' sense RNA primer for dsRNA 'C'
 53 <400> SEQUENCE: 2
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 60 <210> SEQ ID NO: 3
 61 <211> LENGTH: 20
 62 <212> TYPE: RNA
 63 <213> ORGANISM: Artificial Sequence
 65 <220> FEATURE:
 66 <223> OTHER INFORMATION: 3' sense RNA primer for dsRNA 'C'
 68 <400> SEQUENCE: 3
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 72 <211> LENGTH: 40
 73 <212> TYPE: RNA
 74 <213> ORGANISM: Artificial Sequence
 76 <220> FEATURE:
 77 <223> OTHER INFORMATION: 5' asRNA primer for dsRNA 'C'
 79 <400> SEQUENCE: 4
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 82 <210> SEQ ID NO: 5
 83 <211> LENGTH: 20

RAW SEQUENCE LISTING

DATE: 09/07/2001

PATENT APPLICATION: US/09/821,832

TIME: 14:17:57

Input Set : A:\0399.2008-002 SEQLIST.TXT

Output Set: N:\CRF3\09072001\I821832.raw

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85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: 3' asRNA primer for dsRNA 'C'
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94 <211> LENGTH: 40
95 <212> TYPE: RNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
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112 <400> SEQUENCE: 7
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120 <211> LENGTH: 40
121 <212> TYPE: RNA
122 <213> ORGANISM: Artificial Sequence
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133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
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144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
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149 <400> SEQUENCE: 10
E--> 150 cguacgcgga auacuucgat t 21
152 <210> SEQ ID NO: 11
153 <211> LENGTH: 21
154 <212> TYPE: RNA

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/821,832

DATE: 09/07/2001

TIME: 14:17:57

Input Set : A:\0399.2008-002 SEQLIST.TXT

Output Set: N:\CRF3\09072001\I821832.raw

155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
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168 <220> FEATURE: *same*
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178 <210> SEQ ID NO: 13
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180 <212> TYPE: RNA
181 <213> ORGANISM: Artificial Sequence
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186 <400> SEQUENCE: 13
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206 <223> OTHER INFORMATION: Antisense sequence of siRNA targeting RL
208 <400> SEQUENCE: 15
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212 <211> LENGTH: 21
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216 <220> FEATURE:
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222 <210> SEQ ID NO: 17
223 <211> LENGTH: 21
224 <212> TYPE: RNA
225 <213> ORGANISM: Artificial Sequence *same*

RAW SEQUENCE LISTING

DATE: 09/07/2001

PATENT APPLICATION: US/09/821,832

TIME: 14:17:57

Input Set : A:\0399.2008-002 SEQLIST.TXT

Output Set: N:\CRF3\09072001\I821832.raw

227 <220> FEATURE:

228 <223> OTHER INFORMATION: Antisense sequence of siRNA targeting invGL2

230 <400> SEQUENCE: 17

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21

VERIFICATION SUMMARY

DATE: 09/07/2001

PATENT APPLICATION: US/09/821,832

TIME: 14:17:58

Input Set : A:\0399.2008-002 SEQLIST.TXT

Output Set: N:\CRF3\09072001\I821832.raw

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L:54 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:7
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L:91 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:2
L:102 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:11
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L:187 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:2
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L:209 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:2
L:220 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:2
L:231 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:2